

ABSTRACT OF THE DISCLOSURE

An electric toy vehicle is described, said vehicle comprising: an electric motor, a speed reducer, a power supply battery for powering said electric motor and moving the vehicle, and at least two wheels, at least one of which is the driving wheel, at least one of the wheels having a coefficient of friction greater than about 0.35. Conveniently, the wheels of the vehicle comprise a rubber carcass with at least two cross plies of nylon threads. Conveniently, the vehicle also comprises an electronic control system for performing a plurality of functions including that of regulating the power supply voltage to the motor, regulating the acceleration independently of the load transported; regulating the deceleration independently of the load transported; managing the motor brake; controlling the direct-current flow, preventing peak currents affecting the motor, disabling the functions of the vehicle at predefined overload values; limiting complete discharging of the battery and indicating the charging state of the battery.